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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,813	08/03/2001	Morris Peng	LIE 149	7159

7590 07/14/2005

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EXAMINER

KNOWLIN, THJUAN P

ART UNIT PAPER NUMBER

2642

DATE MAILED: 07/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/920,813	Applicant(s) PENG, MORRIS	
	Examiner Thjuan P. Knowlin	Art Unit 2642	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 February 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5,8,9 and 12-28 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,5,8,9 and 12-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on February 22, 2005 has been entered. Claims 1, 5, 8-9, 17, and 19 have been amended. Claims 2-4, 6-7, and 10-11 have been cancelled. Claims 21-28 have been added. Claims 1, 5, 8-9, and 12-28 are now pending in this application, with claims 1 and 20 being independent.

Claim Rejections - 35 USC § 102

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 1, 5, 8-9, and 12-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Braund (US 6,373,942).

4. In regards to claims 1 and 20, Braund discloses in combination: a computer (computer 82) including a computer terminal hub (See col. 8 lines 8-13); a wireless computer-control device (e.g. Blue Tooth technology, voice recognition, and/or voice synthesis 92) (See col. 8 lines 52-64); and a wireless communication apparatus (e.g. hands-free communication device) connecting with the computer in a direct manner and communicating with the wireless computer-control device by radio (See Fig. 5, Fig. 12, Fig. 13, col. 8 lines 8-21, and col. 8 lines 52-61); the wireless communication apparatus further comprising: a casing (See Fig. 2, flexible backing member 60, and protective cover 64); a PCB (Printed Circuit Board) (See Fig. 2 and printed circuit board 62)

contained inside the casing (See Fig. 5 and col. 6 lines 29-40) ; a built-in antenna module (See Fig. 5 and antenna 84) disposed on the PCB for transmitting the wireless signal to the wireless computer-control device (col. 8 lines 16-23); a first terminal hub (e.g. hub for connecting to a computer) on the casing coupled with the PCB inside the casing and connected to the computer terminal hub in a direct manner, whereby the computer communicates with the PCB (See col. 3 lines 17-23 and col. 8 lines 52-55); and a second terminal hub (e.g. hub for connecting to a telephone circuitry) on the casing coupled with the PCB inside the casing, whereby another peripheral device mated to the second terminal hub is operatively communicated with the computer terminal hub (See col. 3 lines 17-23 and col. 8 lines 33-41).

5. In regards to claims 5 and 21, Braund discloses the wireless communication apparatus, wherein the wireless computer-control device is a cordless mouse or a wireless keyboard (See col. 8 lines 8-13 and col. 8 lines 30-37).

6. In regards to claim 8, Braund discloses the wireless communication apparatus, wherein the first terminal hub is an USB (Universal Series Bus) terminal hub or a PS2 terminal hub (col. 3 lines 20-23).

7. In regards to claim 9, Braund discloses the wireless communication apparatus, wherein the second terminal hub is an USB (Universal Series Bus) terminal hub or a PS2 terminal hub (col. 3 lines 20-23).

8. In regards to claim 12, Braund discloses the wireless communication apparatus, wherein the transmission of the wireless communication apparatus is a one-way signal (col. 8 lines 26-32).

9. In regards to claims 13, 16, and 25, Braund discloses the wireless communication apparatus, wherein the transmission of the wireless communication apparatus is a two-way signal transmission (col. 8 lines 26-32).
10. In regards to claims 14, 15, 23, and 24, Braund discloses the wireless communication apparatus, wherein the wireless communication apparatus is a one-way 2.4 GHz multiple-channel FM/FSK receiver (col. 8 lines 26-32).
11. In regards to claims 17 and 26, Braund discloses the wireless communication apparatus, further including a Bluetooth solution (col. 3 lines 20-29 and col. 8 lines 26-32).
12. In regards to claims 18, 19, 27, and 28, Braund discloses the wireless communication apparatus, wherein the built-in antenna module is a phase matrix antenna module (col. 8 lines 8-25).
13. In regards to claim 22, Braund discloses the wireless communication apparatus, wherein the transmission of the wireless communication apparatus is a one-way signal transmission or a two-way signal transmission (See col. 8 lines 26-32).

Response to Arguments

14. Applicant's arguments filed 02/22/05 have been fully considered but they are not persuasive. Applicant argues that Braund does not disclose computer terminal hubs on the same housing (casing) that holds the antenna 84. Examiner respectfully disagrees with this argument. Braund does disclose computer terminal hubs (e.g. hub for connecting to a computer and hub for connecting to a telephone circuitry) on the same

housing (casing) (See Fig. 2, flexible backing member 60, and protective cover 64) that holds the antenna 84 (See col. 3 lines 17-23, col. 8 lines 33-41, and col. 8 lines 52-55).

Conclusion

15. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

16. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

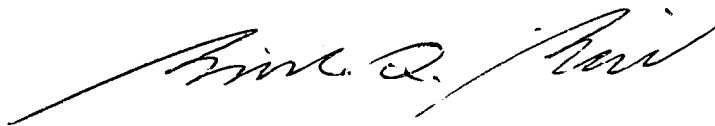
17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan P. Knowlin whose telephone number is (571) 272-7486. The examiner can normally be reached on Mon-Fri 8:30-5:00pm.

18. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272-7488. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2642

19. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thjuan P. Knowlin

A handwritten signature in black ink, appearing to read "Bing Q. Bui", written in a cursive style.

BING Q. BUI
PRIMARY EXAMINER